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Eclipsis Lunar
 Anno 1676, die 1. Januarii mane observata
 G E D A N I
 à Johanne Hevelio.

Hanc Eclipsin Lunæ cælo admodum sereno observare obtigit, sic ut ipsum initium, tum etiam 12 phases crescentes, ad maximam usque obscurationem ex voto deprehendere & describere licuerit; post maximum autem defectum nubes supervenere, adeo ut non nisi duas phases decrecentes, 14 & 15, annotare, & quidem vix satis accuratè, potuerimus; exindeque finem etiam minimè conspeximus. Optandum quidem fuisset, cælum continuè extitisse serenum, quò stellulam illam fixam, horâ 4. 11'. 45". à limbo Lunæ inferiori & orientali distantem, exactè observare licuisset; sed nubes pariter illam postea nobis eripuerunt. Quantum conjicere datur, si non à parte Australiori Lunæ omninò tecta est, haud procul tamen a limbo Lunæ inferiori incescit: Sed de hocce phænomeno alii, quibus cælum magis fuit propitium, aliquid certius indicabunt. Noratu dignum in hac Eclipsi præprimis extitit, quòd penumbra ab hora statim 2. 36'. 40". inceperit. Nam eâ parte ad M. Baronium, & Sinum Apollinis eo tempore jam paulò obscurior Lunæ limbus videbatur; quæ penumbra deinde successive densior evasit, ita ut hor. 3. 8'. jam satis notabilis extiterit. Ipsum verò initium Eclipseos primùm horâ 3. 30'. hîc Gedani contigit; cùm tamen juxta calculum Rudolphinum fere 16' citiùs incidere debuisset. Pariter quantitas Eclipsis ad integrum digitum minor extitit, quàm calculus eam promiserat. Quippe non nisi $3\frac{1}{2}$ dig. obscurata, ut ut calculus eam 4 dig. 25'. ostenderit. Quæ discrepantia ut satis evidens est, sic Tabulas multâ adhuc correctione indigere ostendit. De cætero, in hac Eclipsi quoque probè notandum est, quòd omnes Sectiones nunquam Montem Porphyritem omninò texerint, sed ille per totam durationem, etiam in ipsâ maximâ obscuratione, in ipsa umbræ limbo conspicuus persisterit: Deinde, quòd durante Eclipsi horâ 3 46' ingens halo Lunam cinxerit.

Observatio Eclips. Lunar
 Anno 1676, die 1. Januarii mane habita
 G E D A N I.

Tempore ex		Altitud.	Cor-	dines Fix-	Nomina Fixarum.	Ordo Pha-	Per quas maculas transiverint
reſto.				arum.		ſium.	Umbrae Sectiones.
Hor.	"	"	"	"	(onis.		
2	28	38	26.12.0	Dextr. humeri Ori-			
2	33	20	25.35.0	Dextr. humer. Ori-			
2	36	40		Initium Penumbr.			Ad Montem Baronium.
3	8	10					Penumbra densior.
3	16	35					Densa penumbra.
3	24	20					Densissima penumbra.
3	30	0		Initium Eclipseos.		1	Ad Sinum Apollinis.
3	36	25				2	Per M. Alabaſt. & Sin. Hy-
3	42	5				3	Ad Sinum Apoll. (perbor.
3	45	25				4	(Majorem.
3	46	30				5	Per M. Baron & L. Nigr.
3	52	10				6	Per Inf. Ophiuſam. (Min.
3	59	15				7	Ad M. Porphy. & L. nigr.
4	7	45		Stellula diſtab. in		8	Per M. Porph. & M. Serr.
4	11	45		limb. 36' vel 40'.		9	-- Porph. Pr. 1 ^a & M. Carp.
4	12	10					(Macroceran.
4	18	5				10	Per Inf. Corſ. M. Arg. & M.
4	26	0				11	Per M. Porphyrit. & Lac.
4	34	0				12	(Traſimenum.
4	43	20				13	
4	56	20				14	Ad Sinum Apollinis, M.
5	3	0				15	Chriſti, & Inf. Macr.
5	25	0					
5	30	0					
5	55	28	32.33.0	Lucida Lyra.			
5	57	33	32.50.0	Lucida Lyra.			
5	59	0					Penumbra.
6	8	0					Penumbra ponè evanuit, quoad conſpicere potuimus ob nubes.